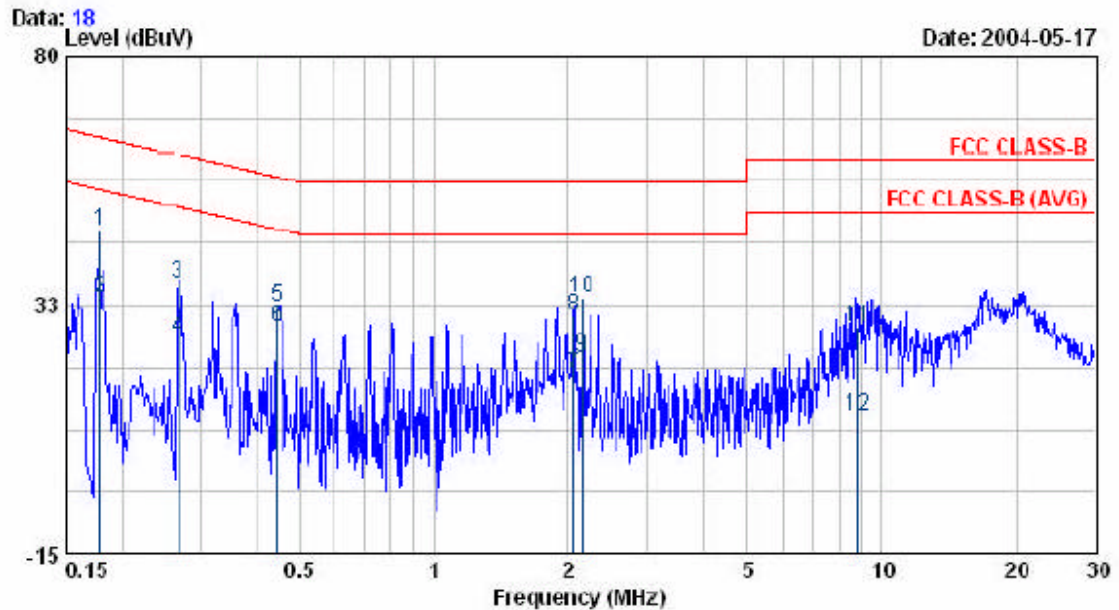


EUT : WGR-101(IP802SM)
 Power : 110V 60Hz
 Test Mode : 802.11g CH HI
 Memo :

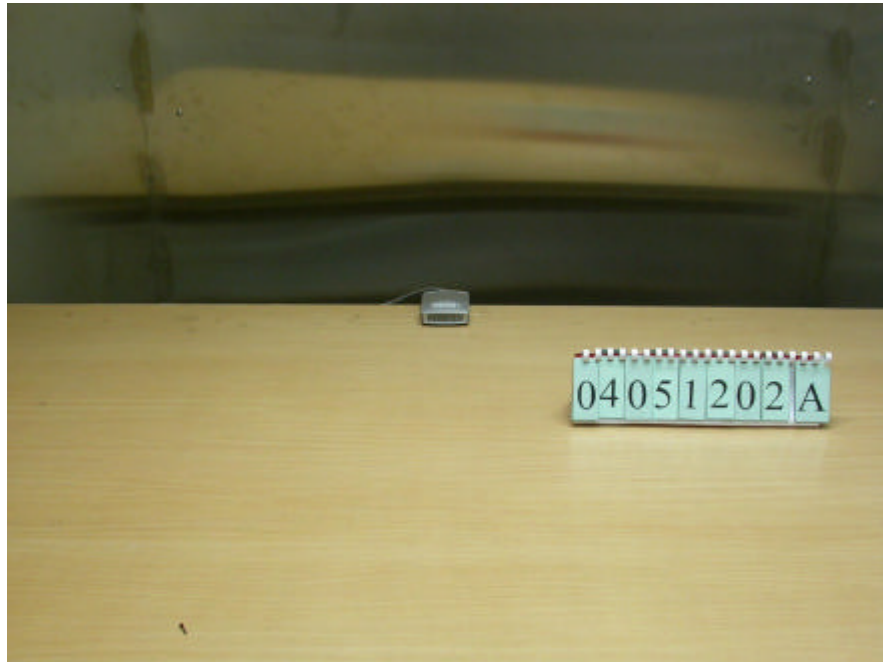
Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 57 %



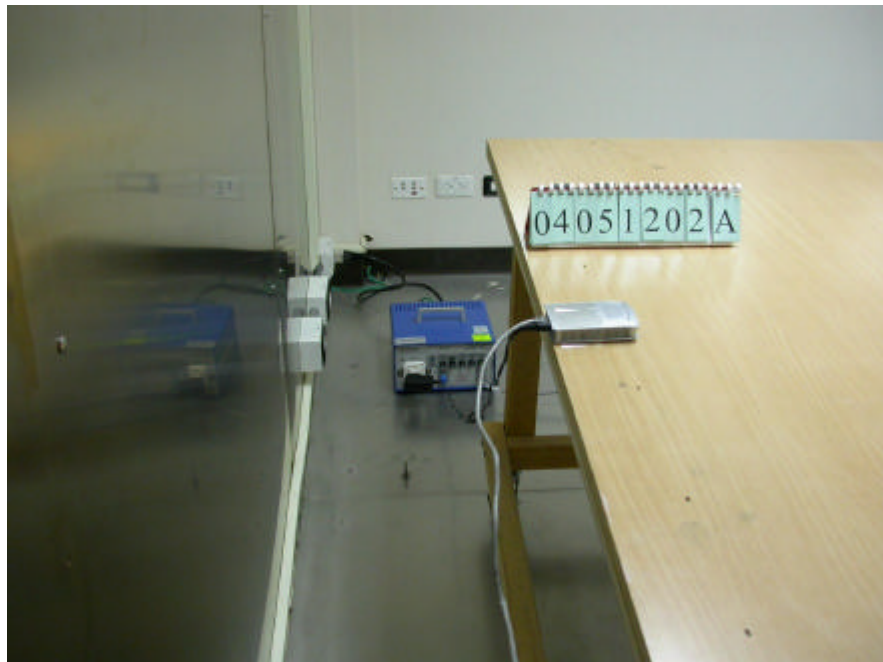
Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.178	46.30	0.41	46.71	64.58	-17.87	QP
0.178	33.37	0.41	33.78	54.58	-20.80	AVERAGE
0.267	36.24	0.43	36.67	61.21	-24.54	QP
0.267	25.51	0.43	25.94	51.21	-25.27	AVERAGE
0.445	31.46	0.46	31.92	56.98	-25.05	QP
0.445	27.57	0.46	28.03	46.98	-18.94	AVERAGE
2.059	18.92	0.54	19.46	46.00	-26.54	AVERAGE
2.059	29.79	0.54	30.33	56.00	-25.67	QP
2.148	22.08	0.55	22.63	46.00	-23.37	AVERAGE
2.148	33.15	0.55	33.70	56.00	-22.30	QP
8.789	27.48	0.62	28.10	60.00	-31.90	QP
8.789	10.74	0.62	11.36	50.00	-38.64	AVERAGE

4.2.1. Photographs of Conducted Emission Test

FRONT VIEW

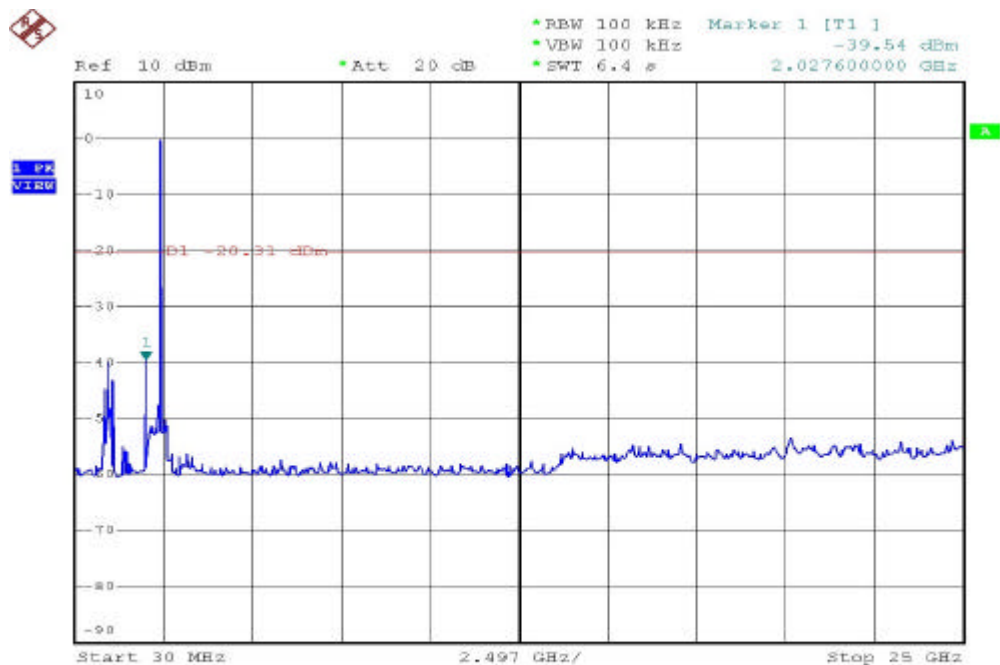
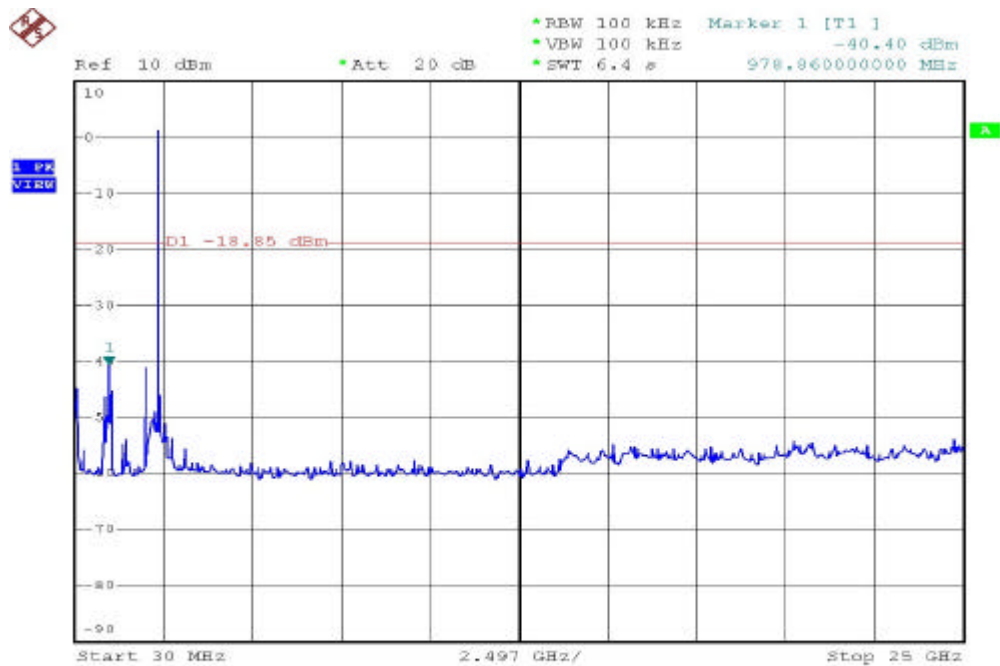


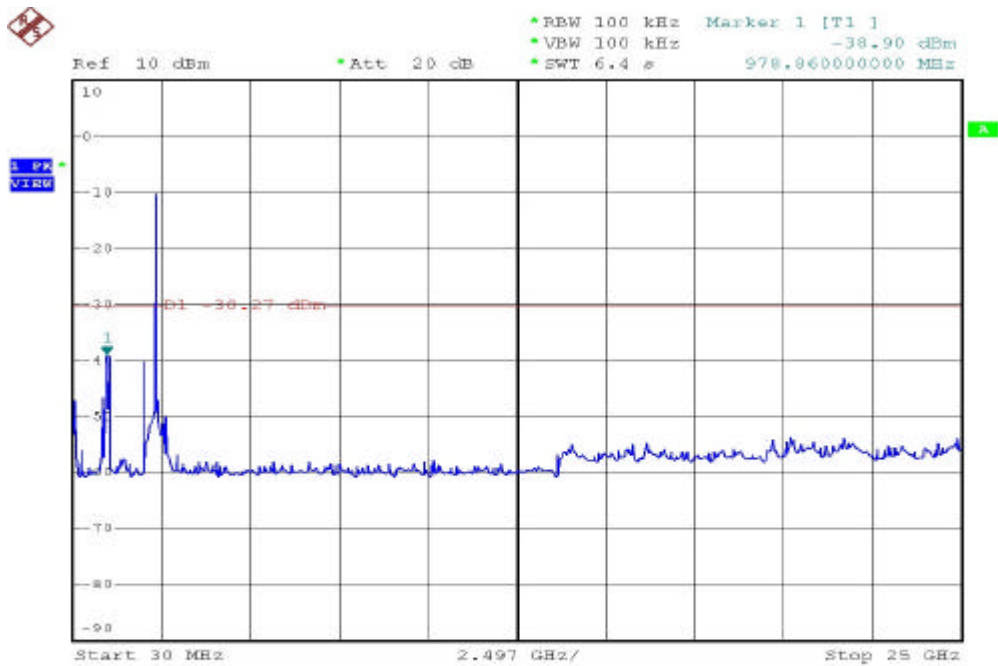
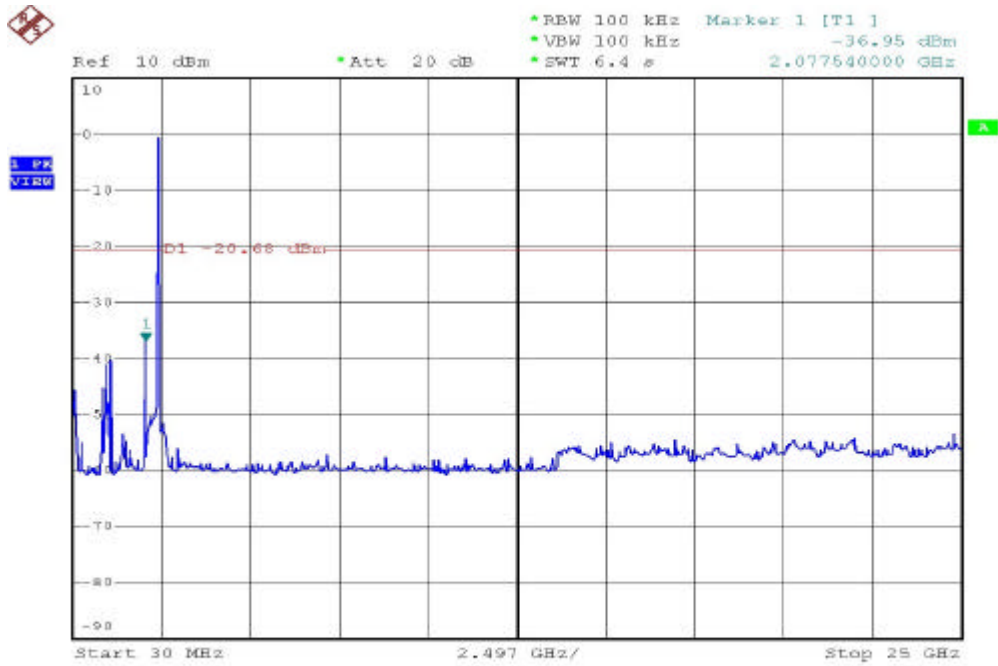
REAR VIEW

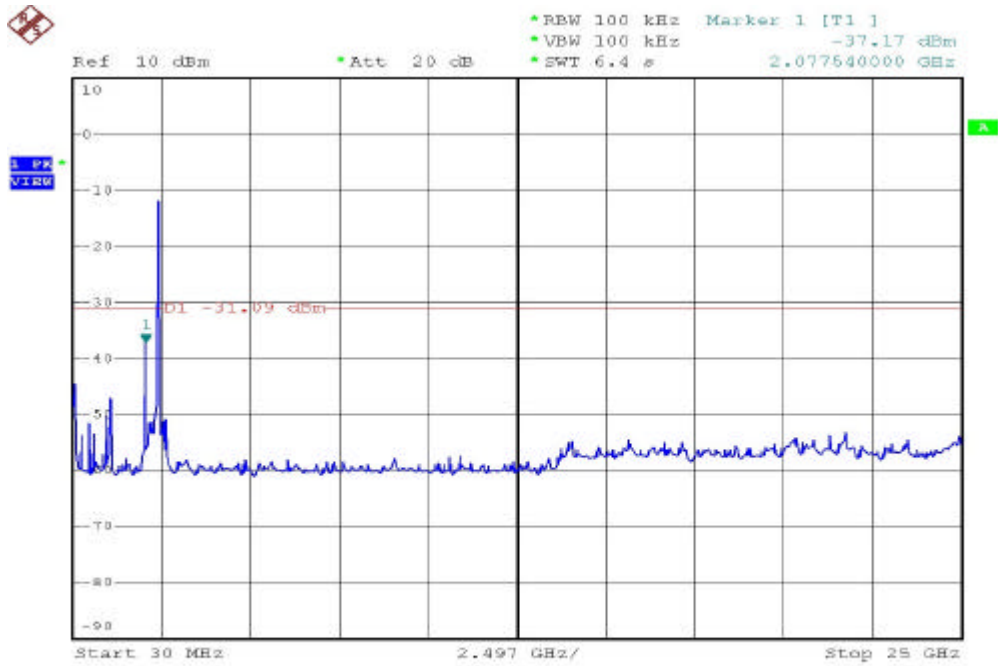
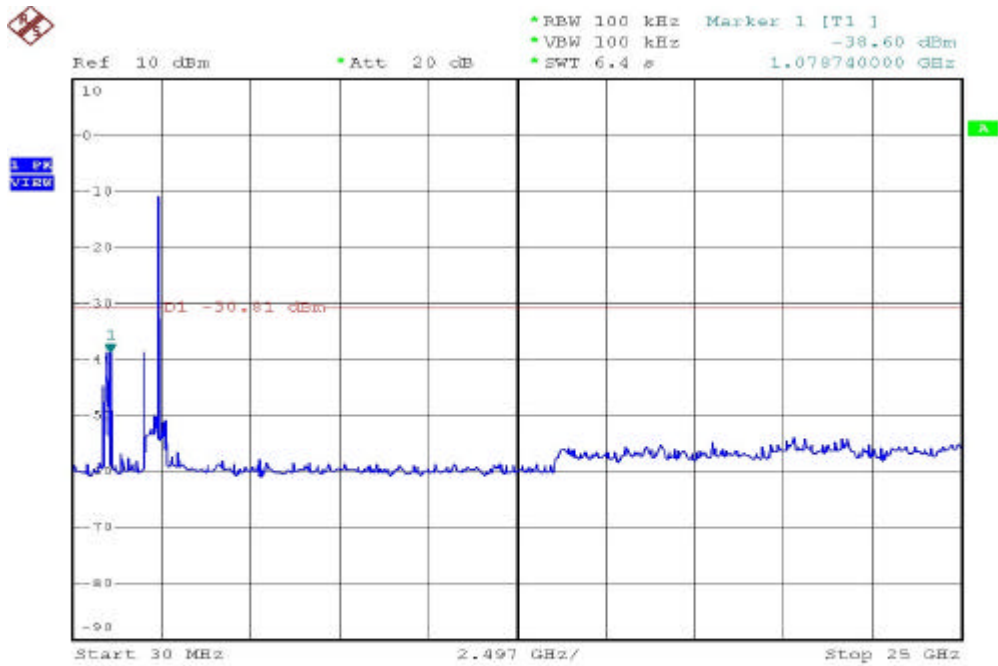


4.3. RF Portion

4.3.1. Test Result of Conducted Emission







4.3.2. Test Result of Radiated Emission

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz

Test Date: May. 24, 2004 Temperature: 25 Humidity: 59%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBUV)	Corrected Factor (dB)	Result@3m (dBUV/m)	Limit@3m (dBUV/m)	Margin (dB)	Table Deg.	Ant High (m)
37.29	V	48.70	-13.11	35.59	40.0	-4.41	180	1.5
39.99	V	52.23	-14.46	37.77	40.0	-2.23	180	1.5
126.93	V	54.84	-15.61	39.23	43.5	-4.27	180	1.5
132.33	V	55.45	-15.54	39.91	43.5	-3.59	180	1.5
481.30	V	51.48	-6.54	44.94	46.0	-1.06	180	1.5
642.30	V	45.26	-2.08	43.18	46.0	-2.82	180	1.5
924.40	H	36.36	3.66	40.02	46.0	-5.98	180	1.5

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier

b) Emission frequencies above 1 GHz

Radiated emission frequencies above 1 GHz to 25 GHz were too low to be measured.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz

Test Date: May. 24, 2004 Temperature: 25 Humidity: 59%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBUV)	Corrected Factor (dB)	Result@3m (dBUV/m)	Limit@3m (dBUV/m)	Margin (dB)	Table Deg.	Ant High (m)
39.99	V	52.58	-14.46	38.12	40.0	-1.88	180	1.5
112.08	V	56.34	-16.31	40.03	43.5	-3.47	180	1.5
126.93	V	56.05	-15.61	40.44	43.5	-3.06	180	1.5
132.33	V	55.45	-15.54	39.91	43.5	-3.59	180	1.5
160.68	V	59.13	-17.06	42.07	43.5	-1.43	180	1.5
481.30	H	47.73	-6.53	41.20	46.0	-4.81	180	1.5
640.90	H	41.04	-2.09	38.95	46.0	-7.05	180	1.5
924.40	H	37.70	3.66	41.36	46.0	-4.64	180	1.5

Notes:

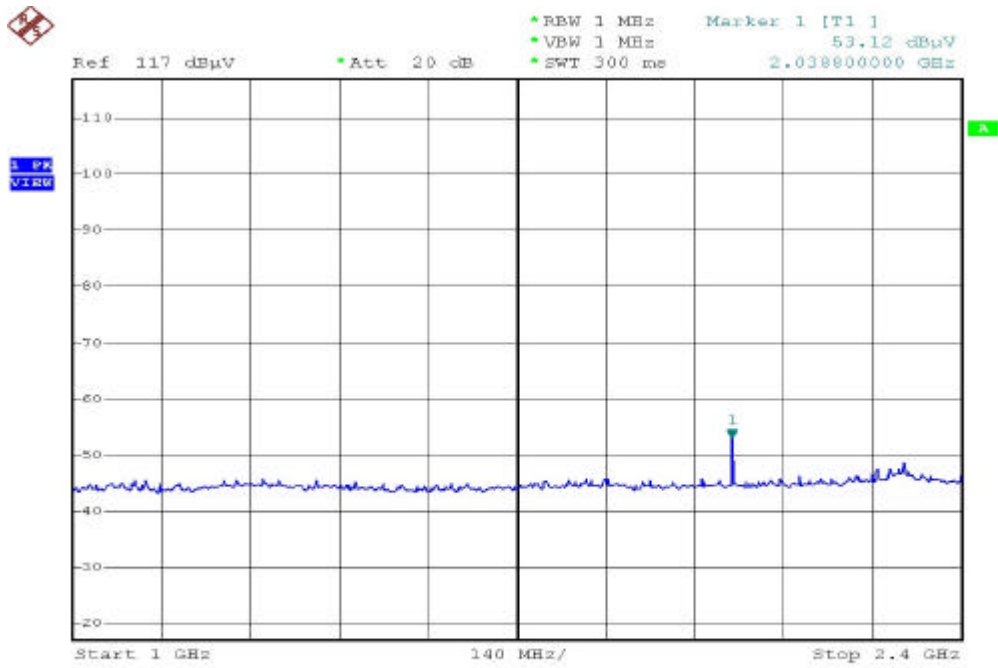
1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier

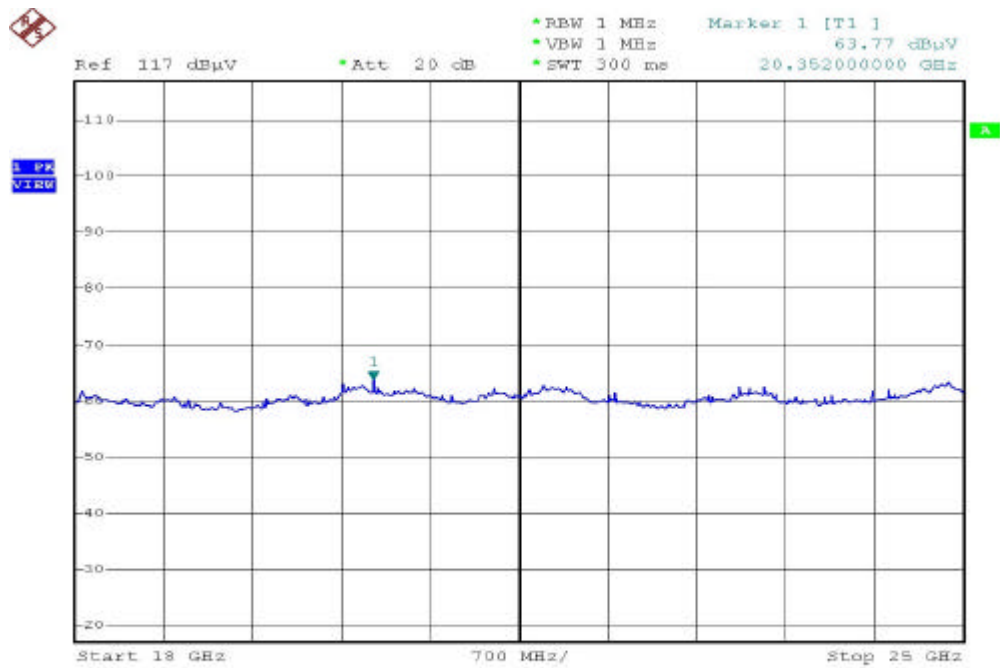
b) Emission frequencies above 1 GHz

Radiated emission frequencies above 1 GHz to 25 GHz were too low to be measured.

Modulation Standard: IEEE 802.11b

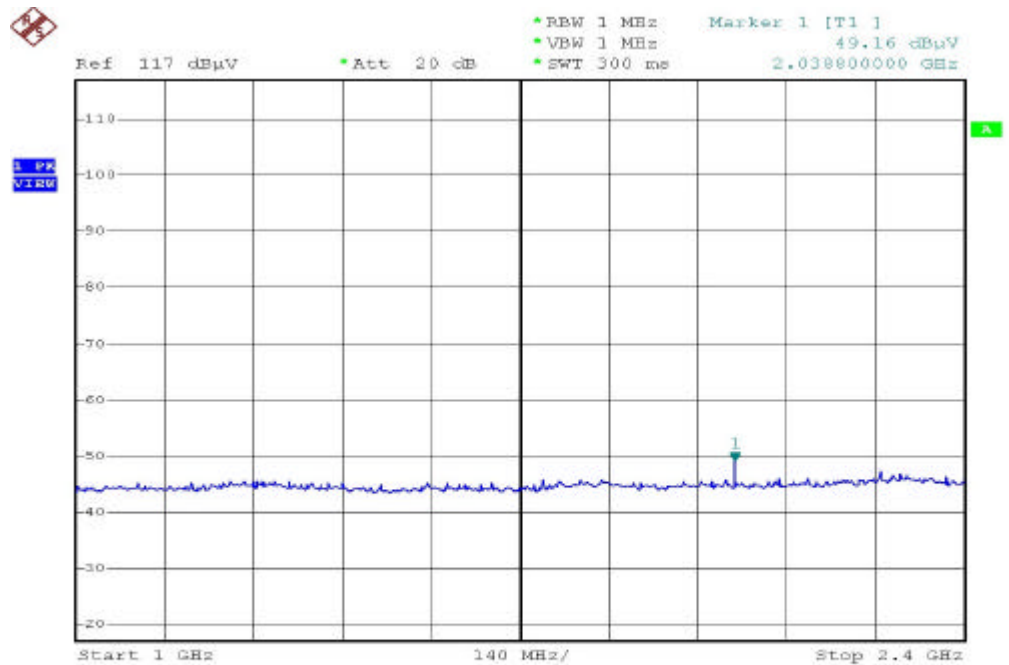
Pol/Phase: Horizontal

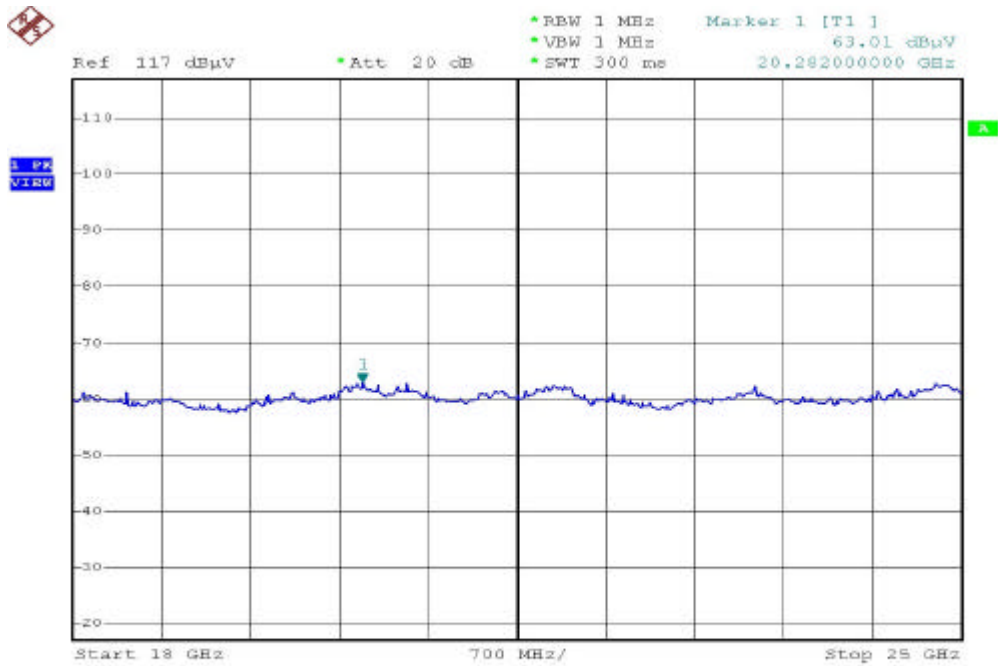
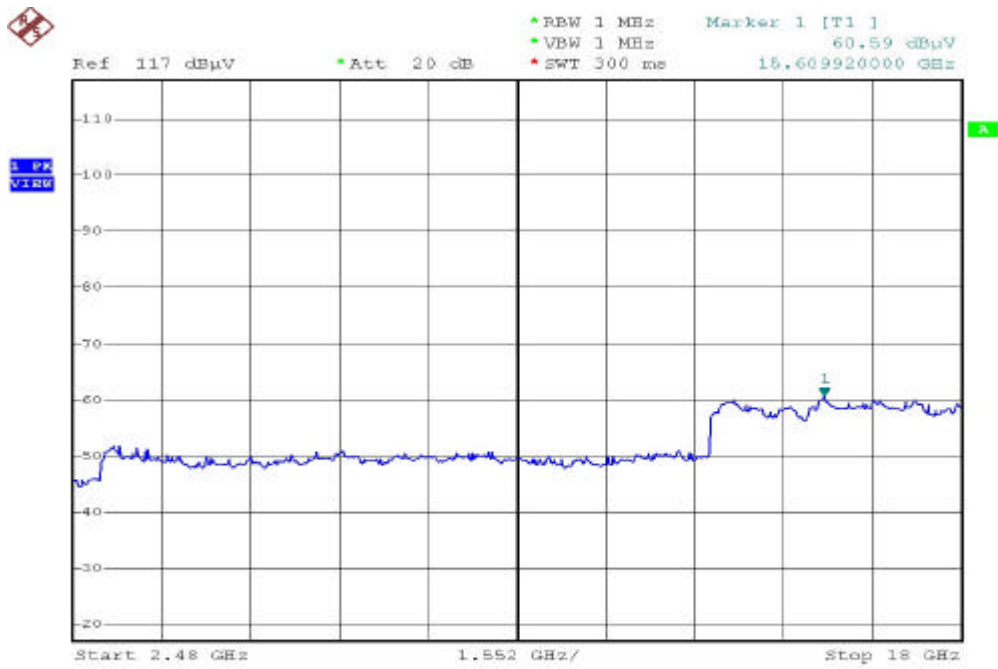




Modulation Standard: IEEE 802.11b

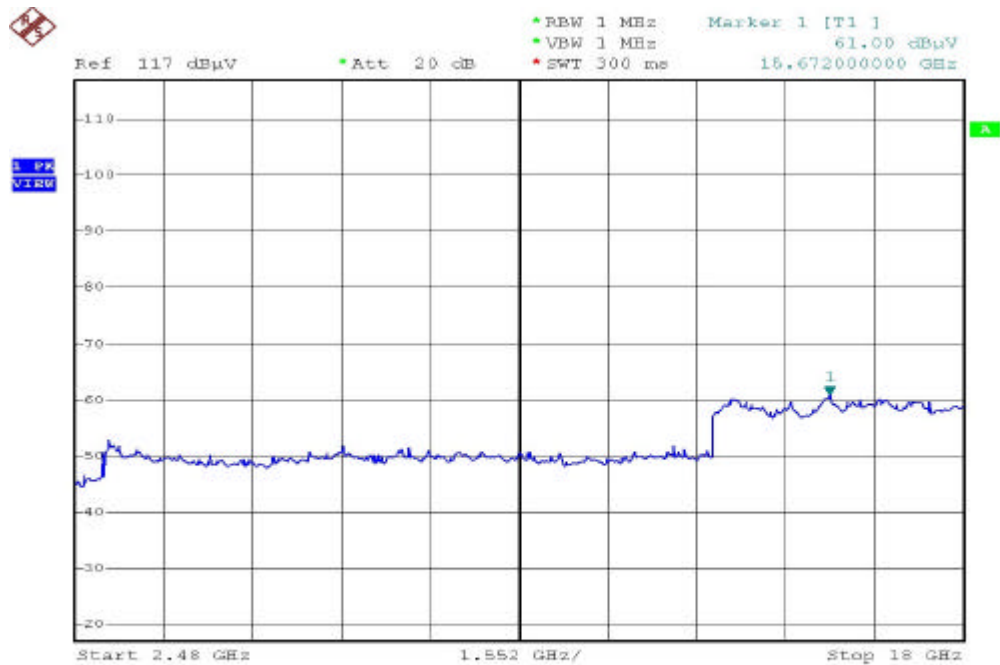
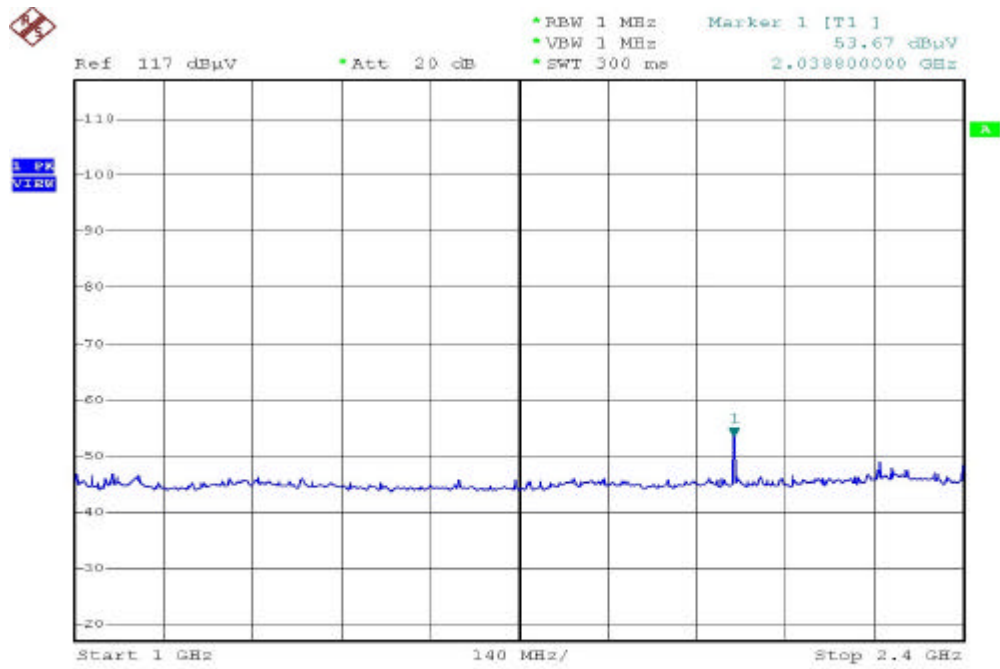
Pol/Phase: Vertical

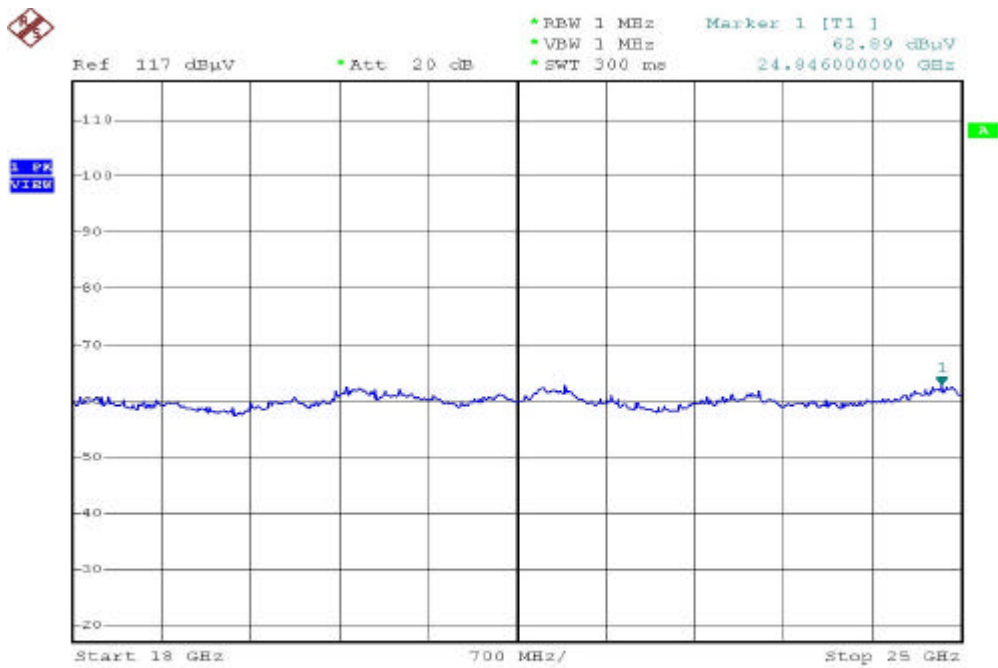




Modulation Standard: IEEE 802.11g

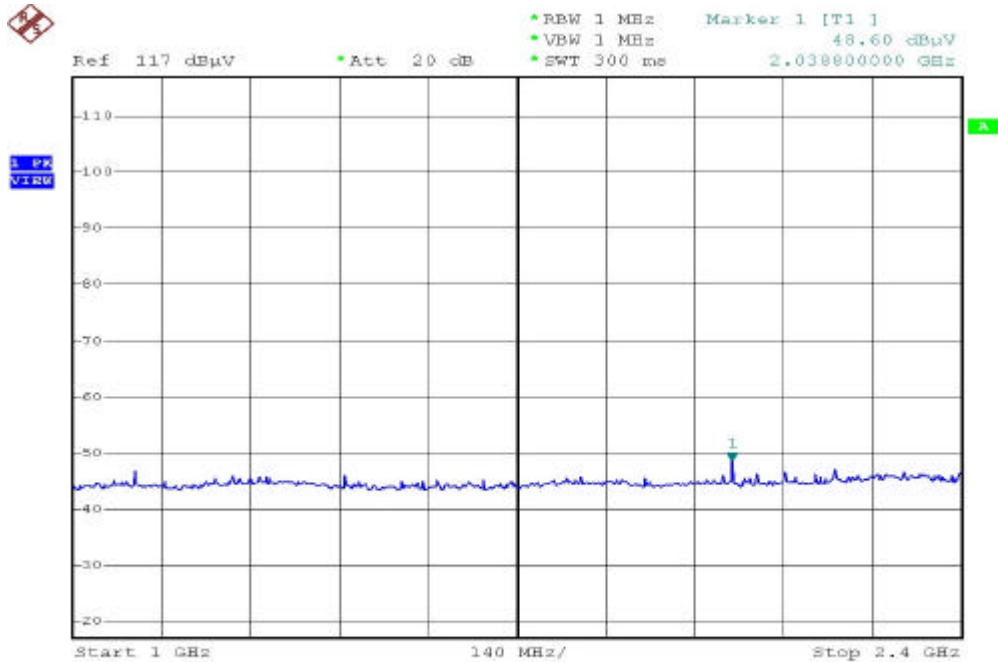
Pol/Phase: Horizontal

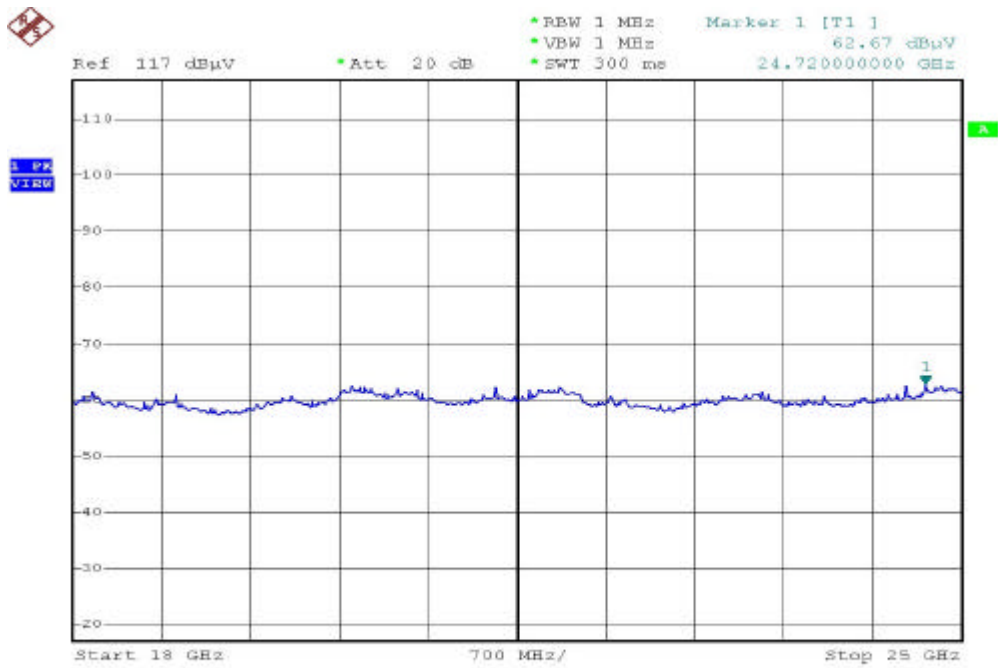
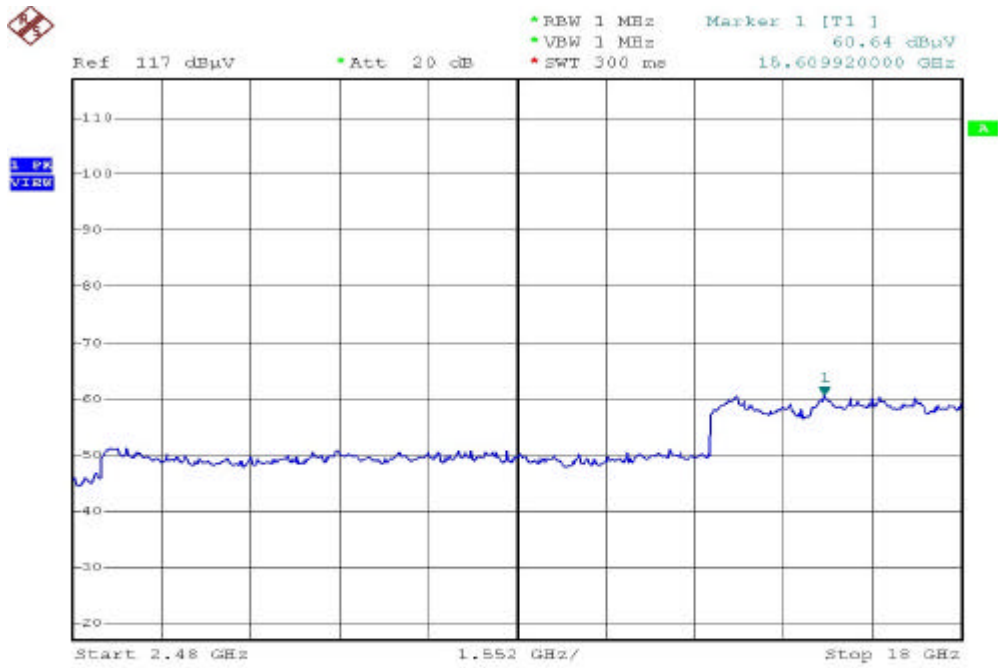




Modulation Standard: IEEE 802.11g

Pol/Phase: Vertical



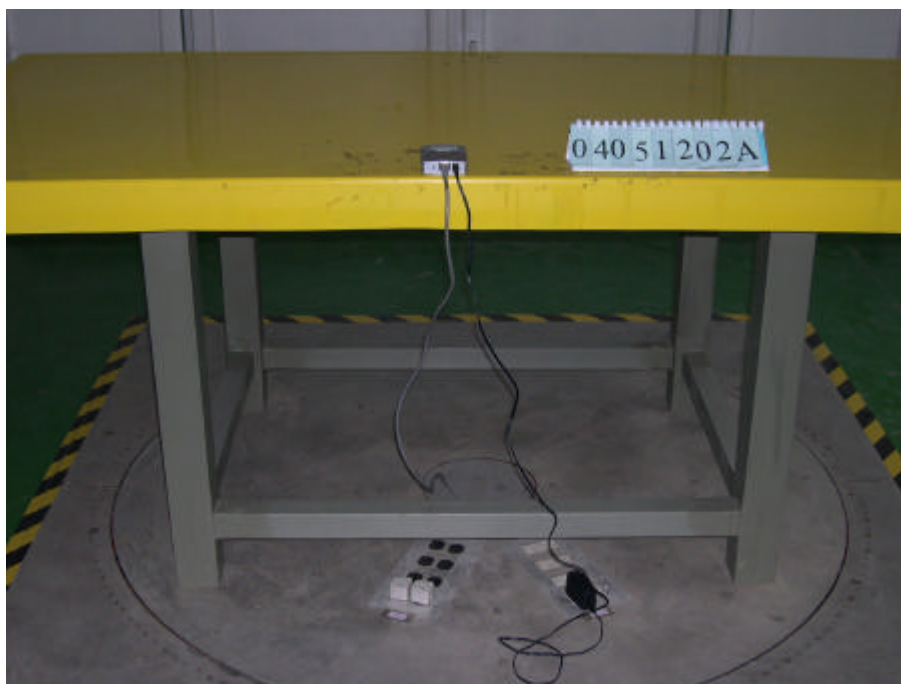


4.3.3. Photographs of Radiated Emission Test

FRONT VIEW



REAR VIEW



4.4. 6dB Bandwidth Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: May. 18. 2004 Temperature: 25 Humidity: 58%

- a) Channel 01: 6dB Emission Bandwidth is 8.9 MHz
- b) Channel 06: 6dB Emission Bandwidth is 8.9 MHz
- c) Channel 11: 6dB Emission Bandwidth is 8.9 MHz

(2) Modulation Standard: IEEE 802.11g

Test Date: May. 18. 2004 Temperature: 25 Humidity: 58%

- a) Channel 01: 6dB Emission Bandwidth is 16.00 MHz
- b) Channel 06: 6dB Emission Bandwidth is 15.50 MHz
- c) Channel 11: 6dB Emission Bandwidth is 15.70 MHz

